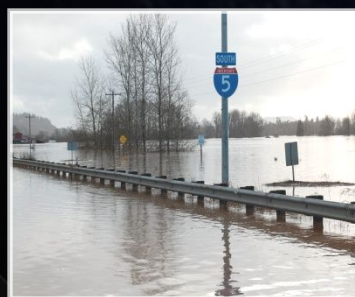
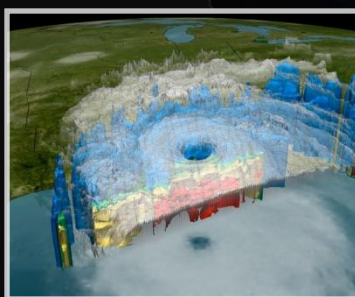
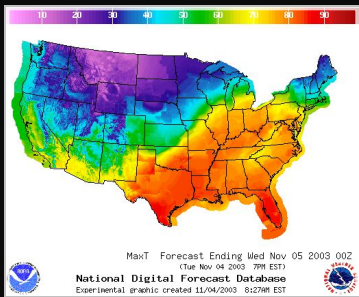
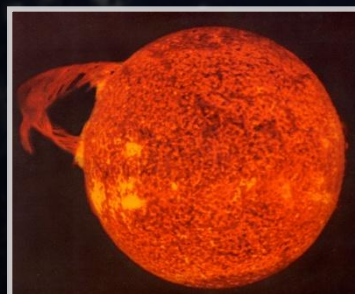
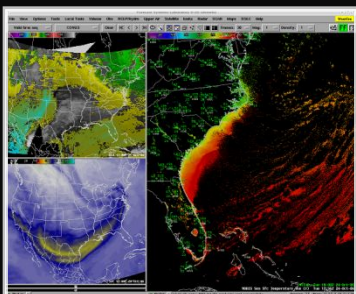


# National Climate Services Meeting

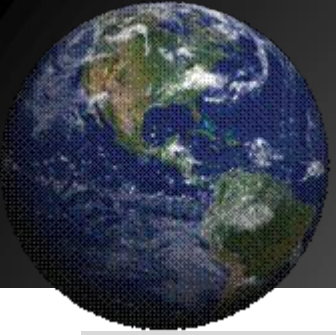
## NWS' Requirements Process & Services Delivery: Implementing Integrated Decision Support Services

*Session 1. NWS Climate Services Program*  
*May 9, 2016*

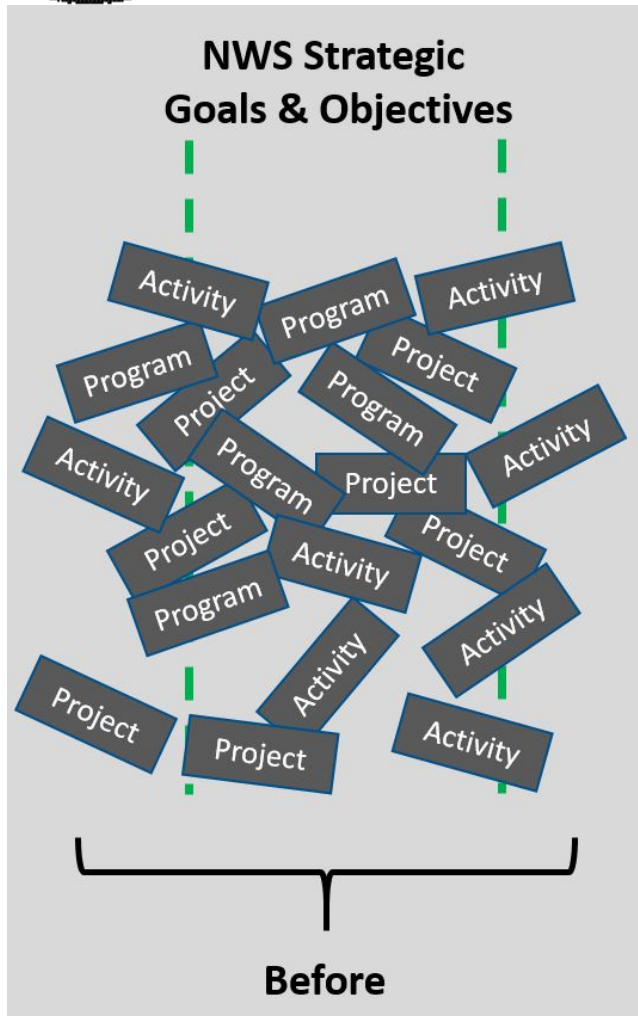


**John D. Murphy**  
**Kevin C. Cooley**

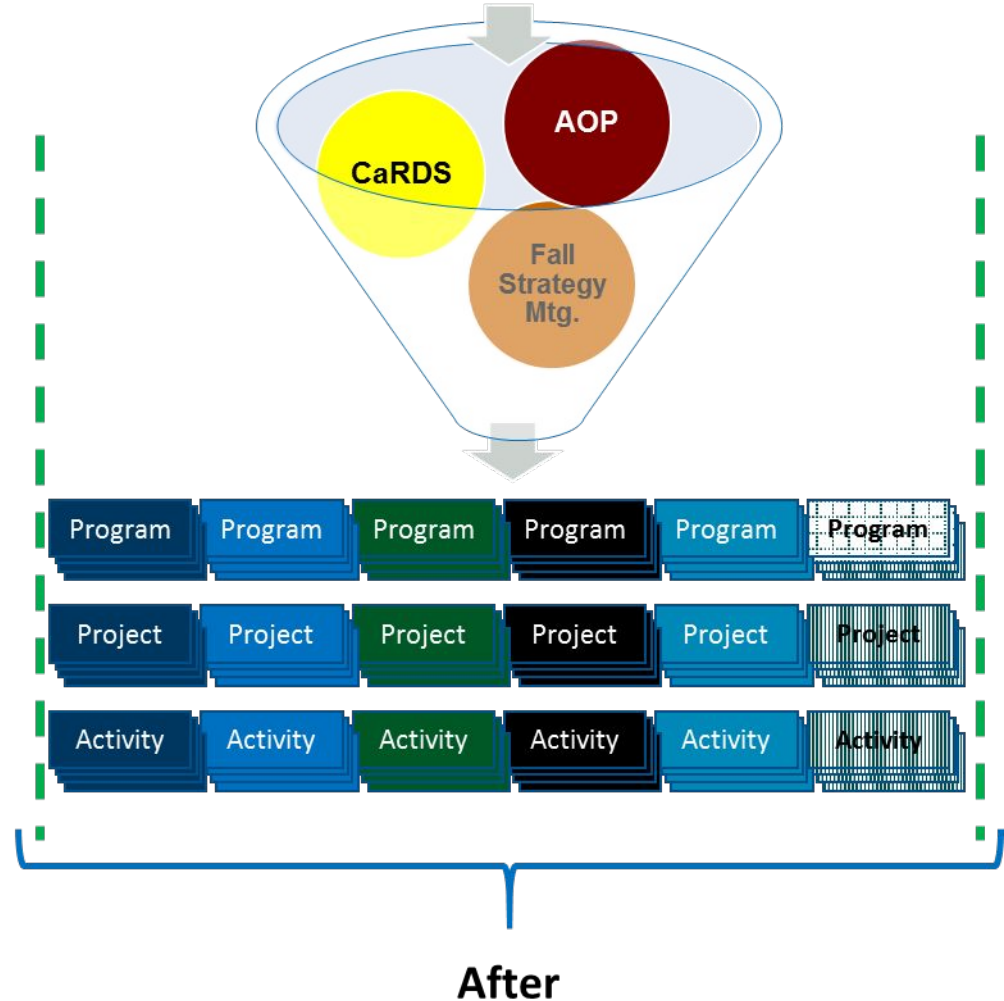
*Chief Operating Officer*  
*Director of Planning and Programming for Service Delivery*



# Old vs. New



## NWS Strategic Goals & Objectives



# NWS Organization

HQ Office

Field Office

Office of the Chief of Staff

**Paul Schlatter**  
(A)

International Affairs

**Courtney  
Draggon**

Office of the  
Chief Learning Officer

**John Ogren**  
(A)

The Office of  
Assistant  
Administrator  
AA  
DAA

**Louis Uccellini**

**Laura  
Furgione**

CFO/CAO

**John  
Potts**

Enterprise Risk Management  
& Internal Audit Office

**vacan  
t**

Assistant CIO

**Richard Varn (A)**

Office of  
Organizational Excellence

**Kevin Werner**

Office of Planning &  
Programming for Service  
Delivery

**Kevin  
Cooley**

**AWC: Bob Maxson**  
**CPC: Dave DeWitt**  
**EMC: Hendrik Tolman**  
**NCO: Ben Kyger**  
**NHC: Rick Knabb**  
**OPC: Tom Cuff**  
**SPC: Russ Schneider**  
**SWPC: Tom Berger**  
**WPC: Dave Novak**

Office of Chief Operating  
Officer

**John  
Murphy**

**AR: Carven Scott (A)**  
**CR: Chris Strager**  
**ER: Jason Tuell**  
**PR: Ray Tanabe**  
**SR: Steven Cooper**  
**WR: Grant Cooper**

Office of  
Facilities

**Deirdre  
Jones**

Office of  
Observations

**Joe Pica**

Office of  
Central  
Processing

**Dave  
Michaud**

Office of  
Dissemination

**Luis  
Cano**

Office of  
Science &  
Technology  
Integration

**Ming  
Ji**

Analyze,  
Forecast, &  
Support  
Office

**Andy  
Stern**

National  
Centers for  
Env.  
Prediction

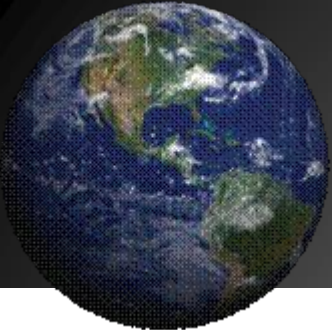
**Bill  
Lapenta**

Regional  
Offices

National  
Water  
Center

**Tom  
Graziano  
(A)**





# OCOO Organizations

## OCOO

- Day-to-Day Field Operations
- Continuity of Operations
- Field Policy
- NWS Operations Center
- Performance Evaluation

## AFSO

- Field Requirements
- Directives/Digital Policy
- Annual Operating Plan
- **National Service Programs**
- Weather-Ready Nation/DSS
- Analysis of new Technologies

## NCEP – 7 National Service Centers

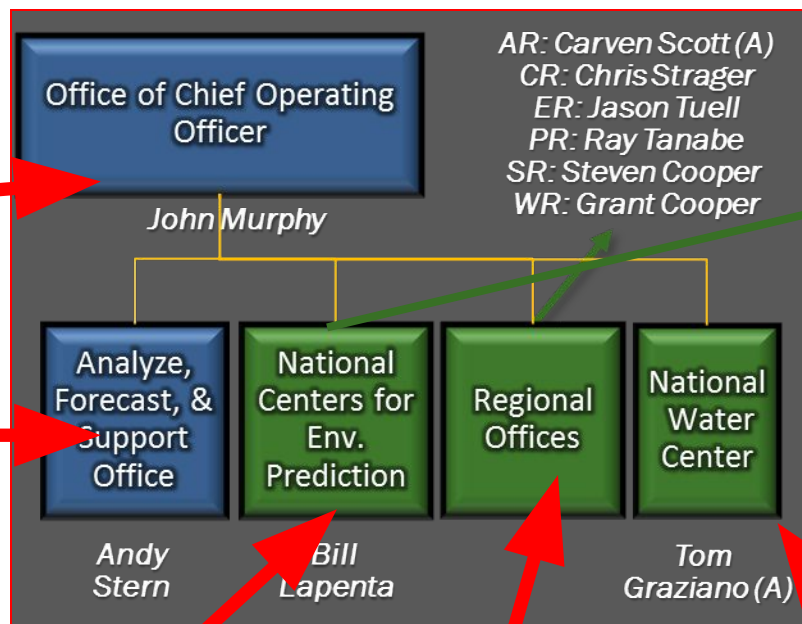
- Aviation Weather Center
- Climate Prediction Center
- National Hurricane Center
- Ocean Prediction Center
- Space Weather Prediction Center
- Storm Prediction Center
- Weather Prediction Center

## 6 Regions – 4 CONUS/2 OCONUS

- 122 Weather Forecast Offices
- 13 River Forecast Centers
- 2 Tsunami Warning Centers
- 21 Center Weather Service Units
- 1 Volcanic Ash Advisory Center
- 6 Regional Headquarters

## NWC

- Newest facility
- Hub of innovation for integrated water prediction
- Supporting water management decisions
- Multiple Federal agency collaboration

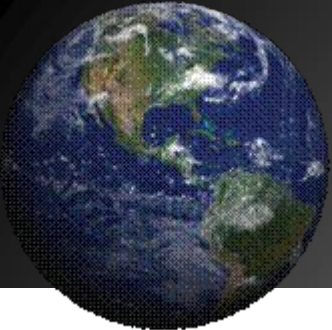


AR: Carven Scott (A)  
CR: Chris Strager  
ER: Jason Tuell  
PR: Ray Tanabe  
SR: Steven Cooper  
WR: Grant Cooper

AWC: Bob Maxson  
CPC: Dave DeWitt  
EMC: Hendrik Tolman  
NCO: Ben Kyger  
NHC: Rick Knabb  
OPC: Tom Cuff  
SPC: Russ Schneider  
SWPC: Tom Berger  
WPC: Dave Novak

## The OCOO:

- Delivers NWS Mission of Protection of Life/Property
- 45% of NWS Budget
- 2/3rds of all NWS Staff
- > 130 Facilities



# OPPSD Organizations

## OPPSD

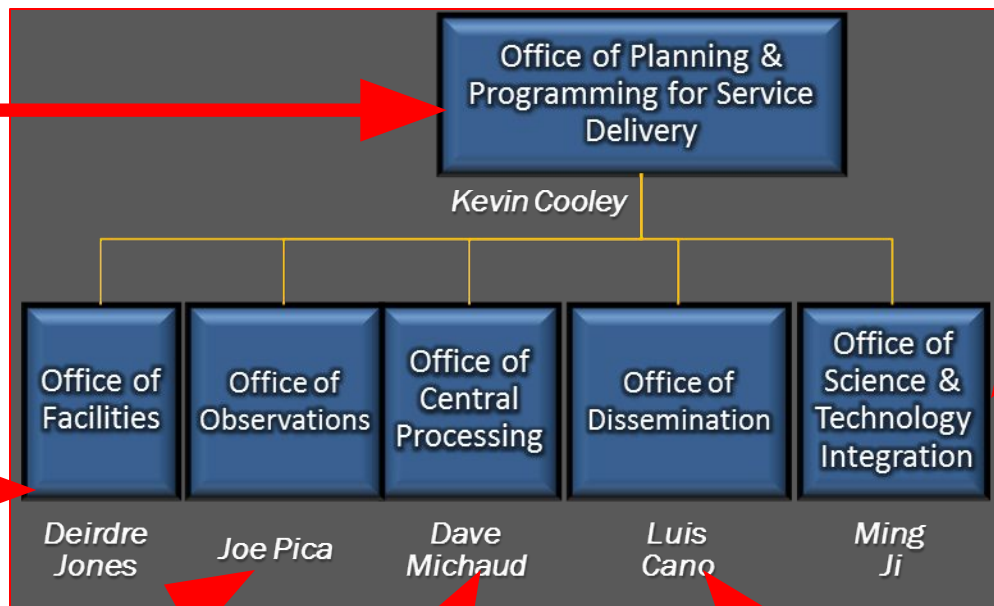
- Service delivery improvements
- Long-term strategic goals
- System engineering administration
- Annual Operating Plan
- Portfolio oversight

## Facilities

- Management of NWS properties
- Facility assessment program
- Compliance programs

## Observations

- Collection of observational data
- Development, acquisition, and management of observing technologies



## Science and Technology Integration

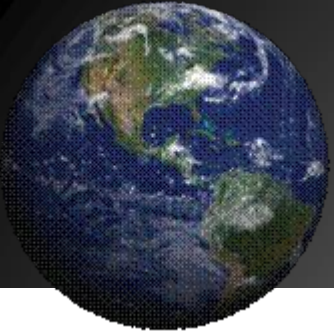
- Acceleration of R2O process for Field
- Consistency and discipline in R2O process

## Central Processing

- Management of processing systems such as WCOSS and AWIPS
- Optimization of processing systems configuration

## Dissemination

- Management of dissemination systems
- Delivery of NWS products and information to public and partners
- Planning for One-NWS Network



# Governance Councils

## Executive Council

**Chair: AA**

- Provides NWS strategic direction
- Approves NWS planning and budgeting documents
- Serves as decision maker for high impact, high visibility issues including NWS transformational changes

## Mission Delivery Council

**Chair: COO**

- Transparently validates and prioritizes Field mission requirements
- Discusses and approves operational and service policies to ensure successful and consistent mission operations

## Portfolio Integration Council

**Chair: OPPSD Director**

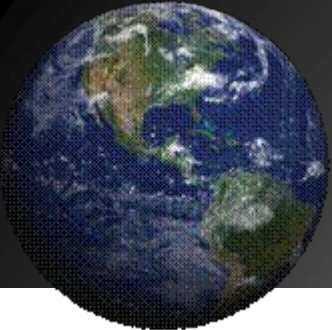
- Ensures cross-Portfolio integration to support needs of mission execution
- Integrates the “left side” under OPPSD with the “right side” under COO

## Enterprise Risk Council

**Chair: DAA**

- Identifies and monitors internal and external enterprise risks and issues
- Approves mitigation strategies for enterprise risks



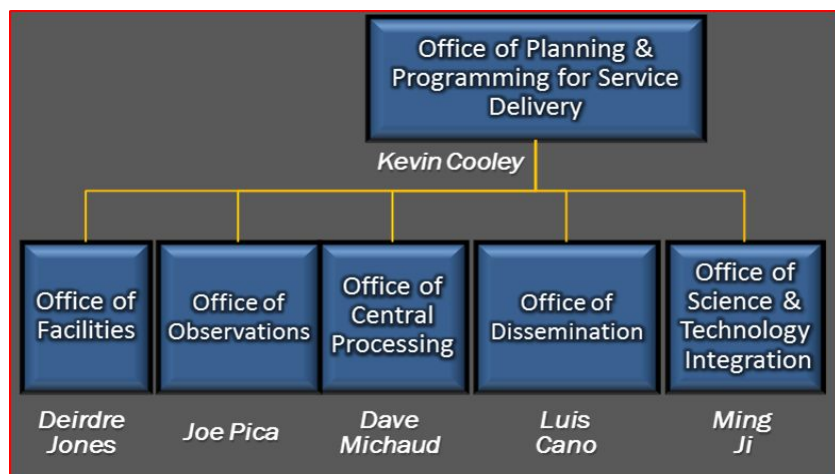


# Governance Councils

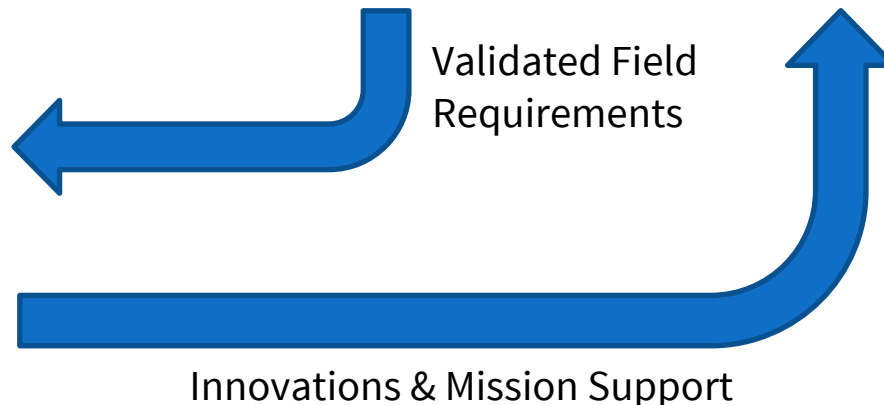
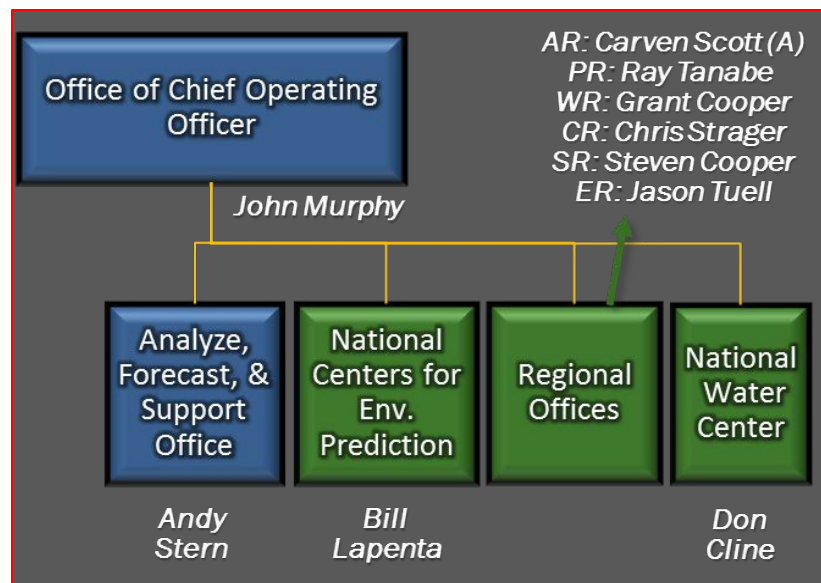
## Mission Delivery Council

- Chaired by the COO
- 9 Voting Members (6 RDs, NCEP Dir, NWC Dir, AFSD Director)
- Validates and Prioritizes Field Requirements
- Approves Operational and Service Policies

## Portfolio Integration Council\*

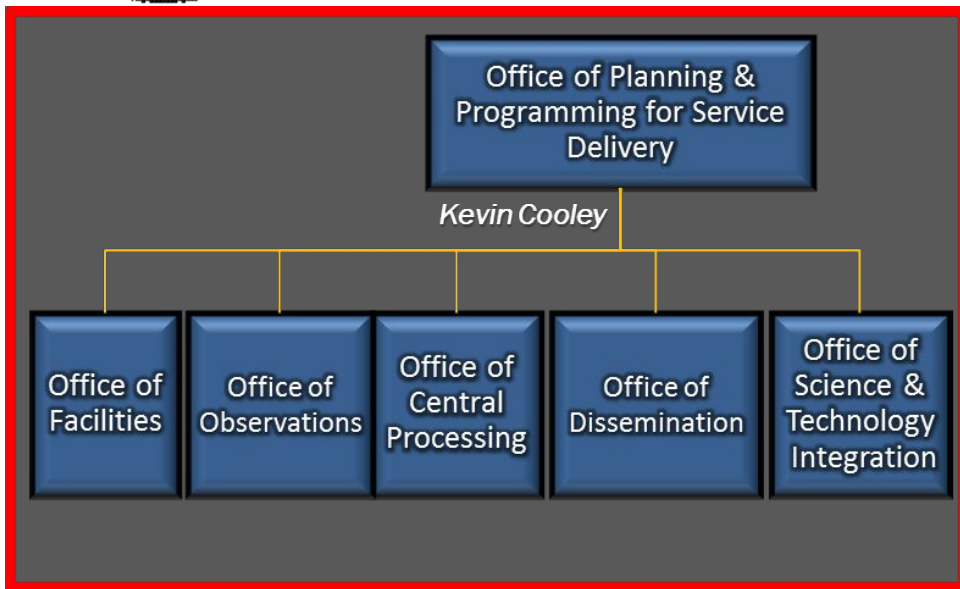


\*Not shown: COO, AFSD, NCEP, RD



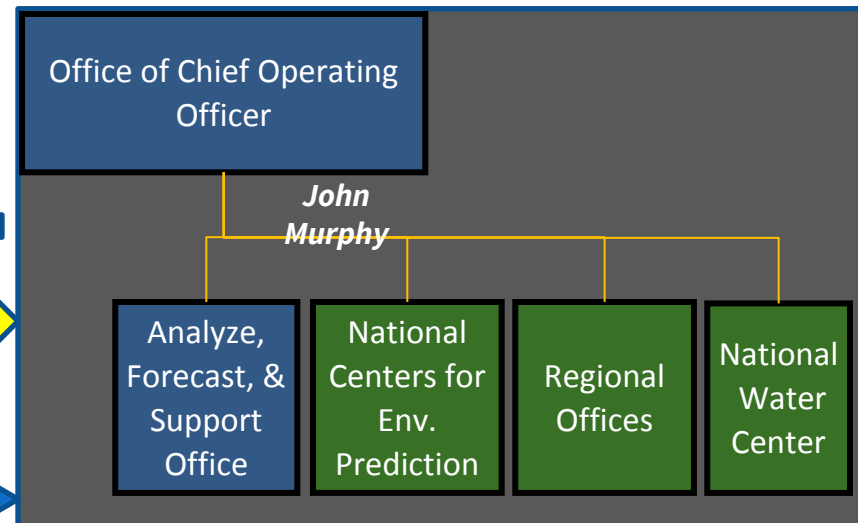
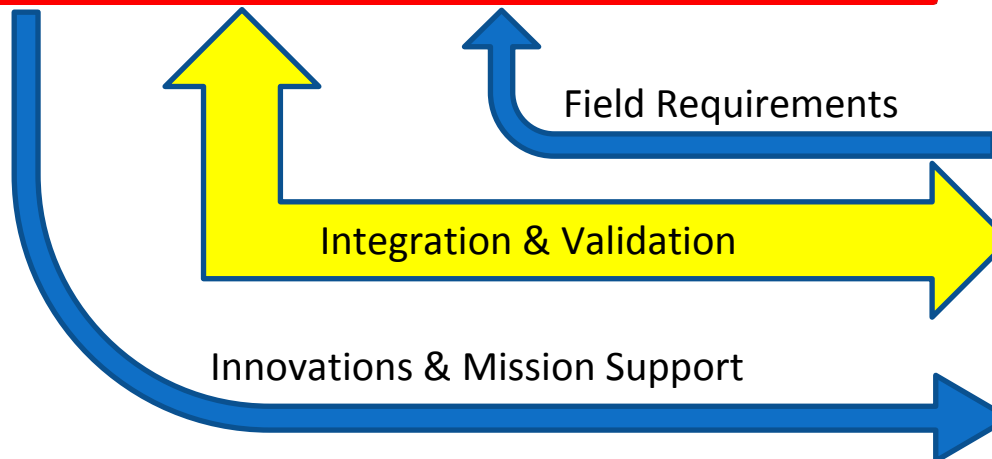


# Governance in OPPSD

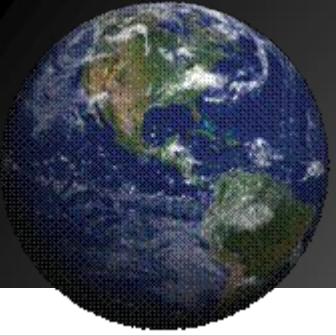


## Portfolio Integration Council

- Chaired by OPPSD Director
- 11 Members (OPPSD Dir, COO, NCEP Dir, NWC Dir, 6 Portfolio Dir, Rotating Reg Dir)
- Ensures cross-portfolio integration for service enabling programs and projects to support the needs of mission execution

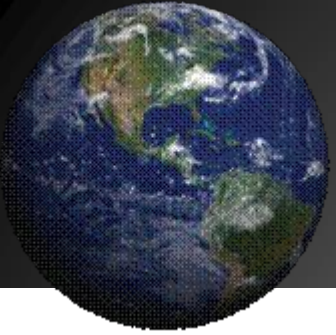






# Requirements & OPPSD

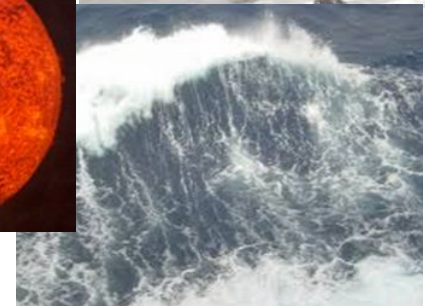
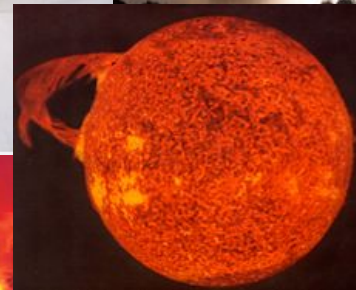
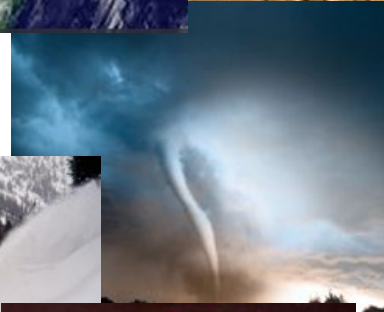
- Requirements validated by the MDC
- Options for satisfying requirements can be proposed by any entity in the NWS, but are sponsored by the owning portfolio or by OPPSD if multiple portfolios involved
- Options for satisfaction of requirement analyzed by OPPSD and PIC
- Valid requirements with executable option and budgeted/programmed resources are scheduled for execution
- Valid requirements without executable option and budgeted/programmed resources are considered at the next programming iteration for resources
- MDC consulted to consider execution and resourcing priorities

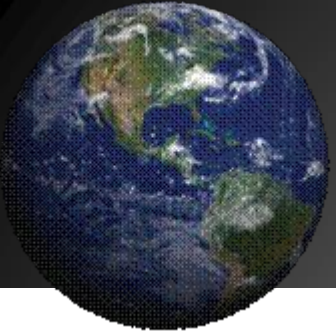


# Requirements Process - CaRDS

## National Service Programs:

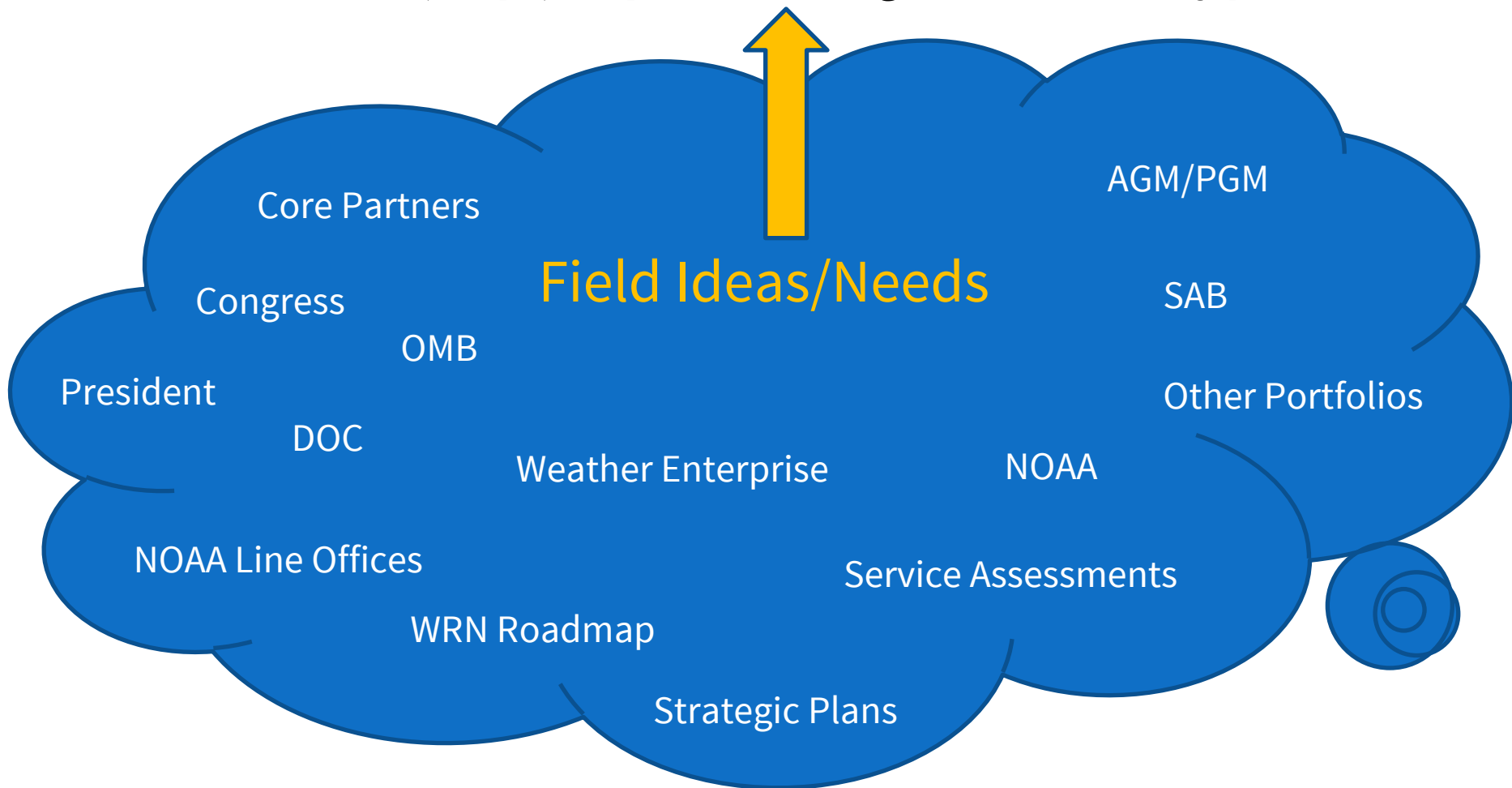
- Aviation Weather
- **Climate**
- Fire Weather
- Hydrology/Water Resources
- Marine and Coastal
- Public Weather
- Severe Weather
- Space Weather
- Tropical Weather
- Tsunami
- Winter Weather

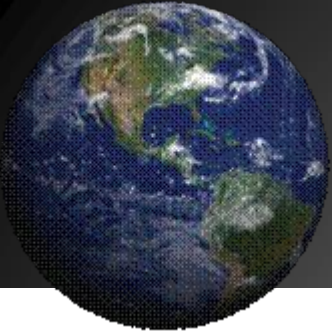




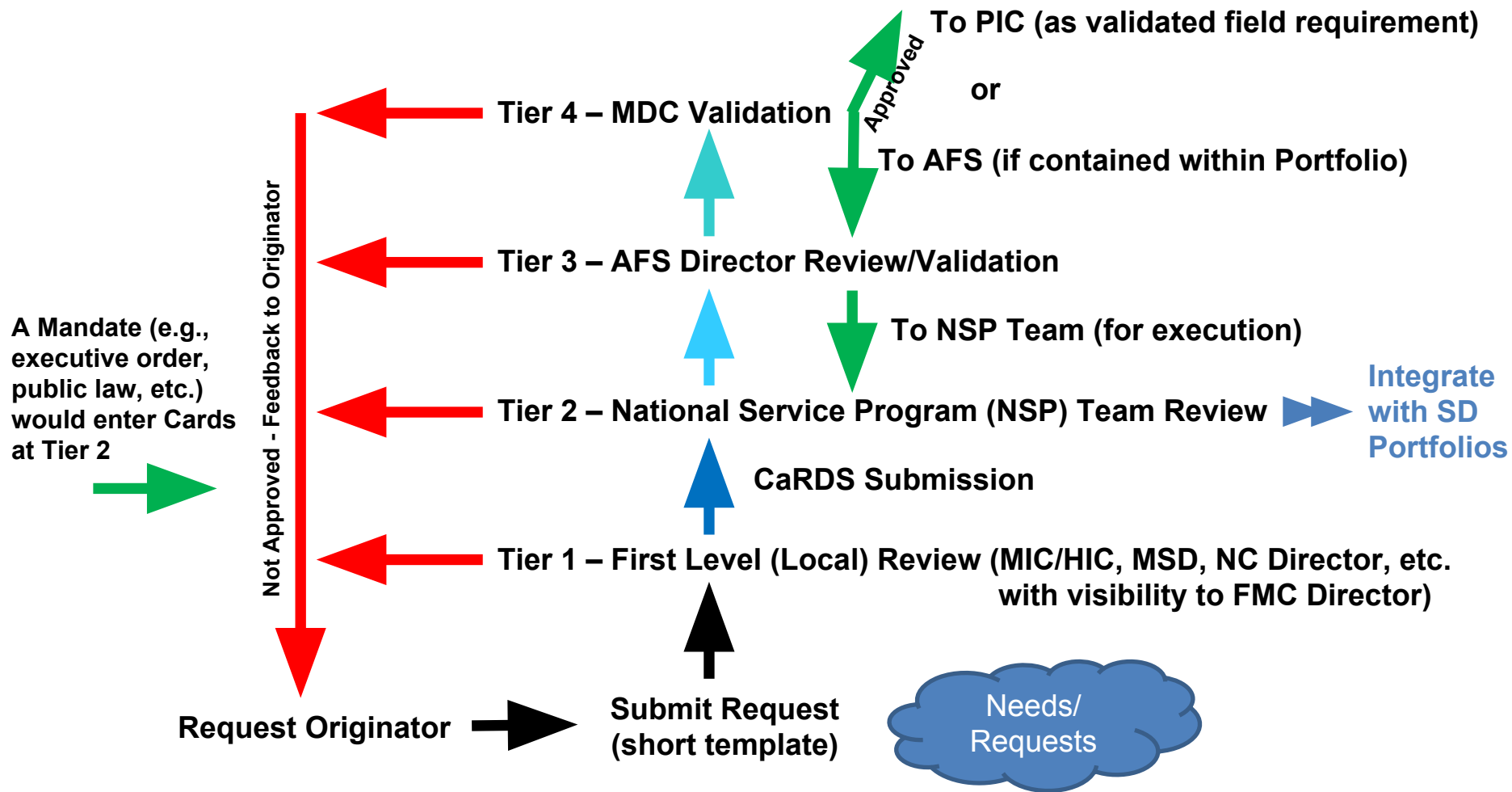
# Requirements Process - CaRDS

**Needs, Gaps, Requests can originate from many places!**

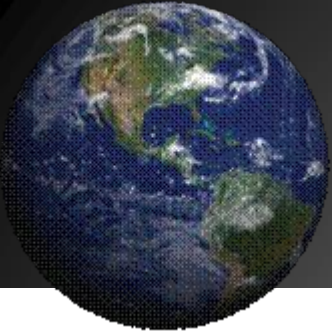




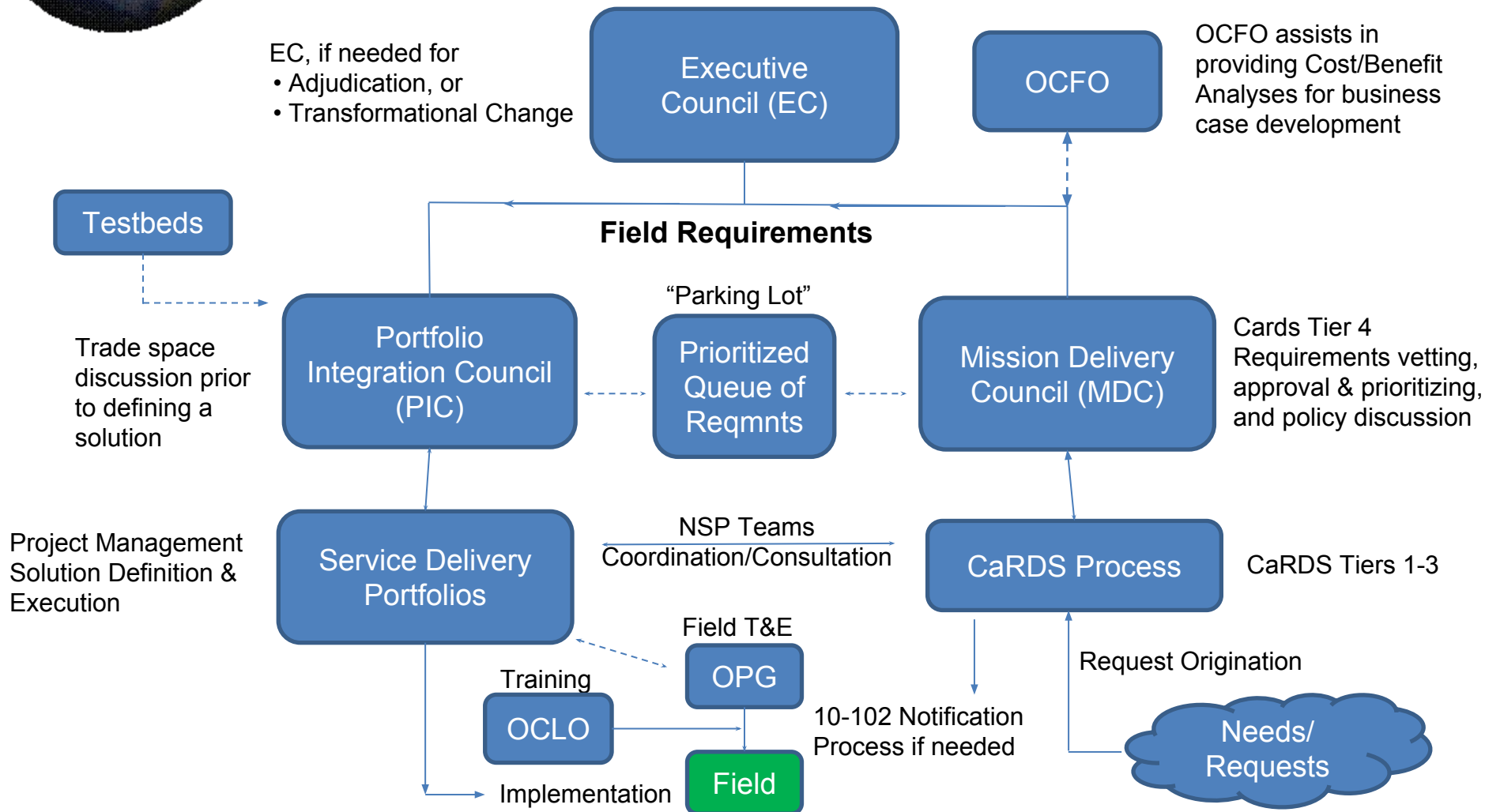
# Requirements Process - CaRDS

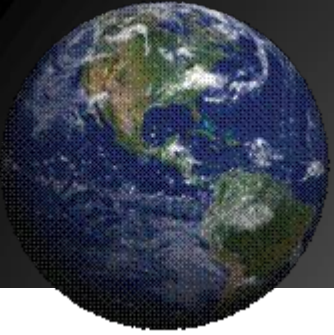






# Requirements Process - CaRDS



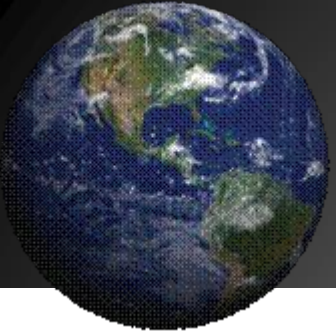


# Requirements Process - CaRDS

The following fields are required to enter a “request” into CaRDS:

- Request originator contact information
- Statement of Need (SON) that addresses the request
- Is there a time sensitivity with the request?
- Will the request fill an existing operational gap?
- Linkage to strategic driver or mandate
- Summary of benefits to NWS
- Link to a National Service Program (NSP)
- Rough Order Magnitude (ROM) estimate of investment





# Thank You



# Questions?

